

## 數學科 Mathematics

## 小五 Primary 5

## 模擬考試卷 Mock Exam

(四十分鐘 45 minutes)

評估須知:

Instructions:

1. 考生請在封面寫上姓名，班級及評估日期。Write your name, class and date on the first page of the exam paper。
2. 考生必須於限時 45 分鐘內依題目指示完成所有題目。  
You should answer all the questions within 45 minutes。
3. 在試場內，考生須依從監考老師的指示。  
During the examination, you should follow teacher' s instructions.
4. 在試場內，考生須保持肅靜。  
You should keep quiet during the examination.
5. 在試場內，考生不得談話或騷擾他人。  
You should not talk and disturb others during the examination.
6. 考生不得攜帶食物或飲品進入試場。  
Eating and drinking is not allowed during the examination.
7. 未經指示，考生不得翻閱派發之試題或作答。Exam paper cannot be opened before teacher' s instruction.
8. 考試進行時，考生不得無故離開試場，或東張西望。  
You should not leave the classroom or look around during the examination.

姓名 Student: \_\_\_\_\_

班級 Class: \_\_\_\_\_

日期 Date: \_\_\_\_\_

1. 運算題 Operation	/44
2. 選擇題 MC Questions	/15
3. 不列式應用題 Short Questions	/21
4. 列式應用題 Long Questions	/20
合計:	/100

(一) 計算下列各題。(每題 2 分，共 22 分)

Answer the following questions. (22 marks, 2 marks each)

1.  $x + 15 = 35$

1.  $x = 20$

2.  $4y = 32$

2.  $y = 8$

3.  $14z = 84$

3.  $z = 6$

4.  $7.7 - 4.15 + 13.4 =$

4.  $16.96$

5.  $3.22 \times 0.5 =$

5.  $1.61$

6.  $8.21 - 4.5 =$

6.  $3.71$

7.  $6.14 + 3.25 \times 3.4 =$

7.  $17.19$

8.  $0.6 \times 300 =$

8.  $180$

9.  $\frac{6}{11} \times \frac{11}{18} \times 4\frac{1}{2} =$

9.  $1\frac{1}{2}$

10.  $\frac{11}{32} \div 2\frac{1}{16} \times 3\frac{3}{5} =$


10.  $\frac{3}{5}$


11.  $(\frac{17}{50} + \frac{17}{25}) \div \frac{17}{5} =$

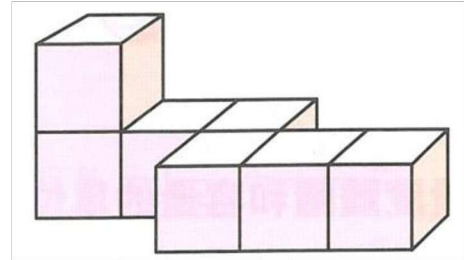
11.  $\frac{3}{10}$

(二) 把正確答案填在橫線上。(每題 3 分，共 12 分)

Write the answers on the lines provided. (12 marks, 3 marks each)

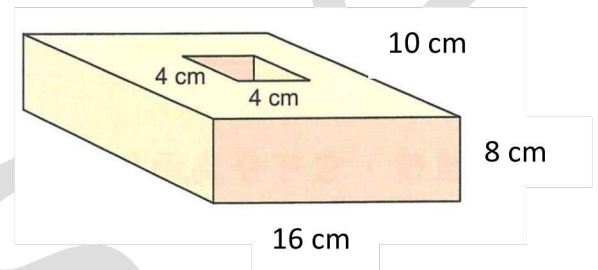
右邊每個  的體積是  $6\text{cm}^3$ ，右邊立體的體積是 42  $\text{cm}^3$

12. On the right, each  has a volume of  $6\text{cm}^3$ , the volume of the object on the right is 42  $\text{cm}^3$



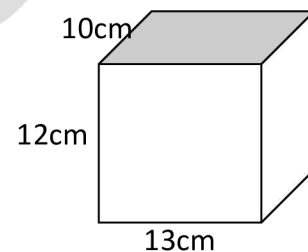
右邊圖形的體積是 1152  $\text{cm}^3$

13. The volume of the right figure is 1152  $\text{cm}^3$



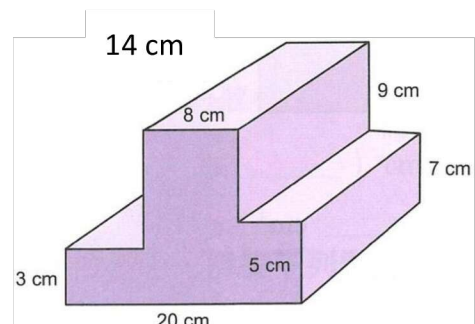
右面長方體的體積是 1560  $\text{cm}^3$ 。

14. The volume of the rectangular prism on the right is 1560  $\text{cm}^3$ .



右邊立體圖形的體積是 2944  $\text{cm}^3$ 。

15. The volume of the 3-dimensional figure on the right is 2944  $\text{cm}^3$ .

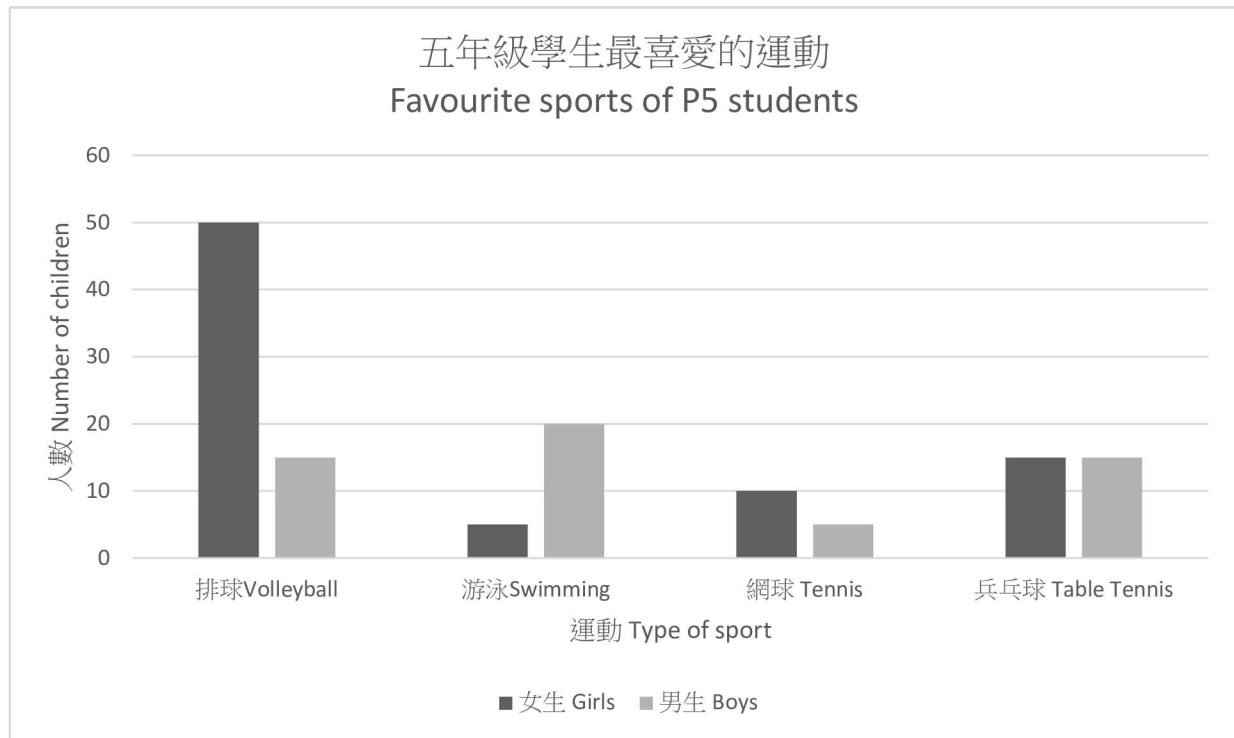


(三) 根據統計圖，回答 16-20 題。(每題 2 分，全對才給分，共 10 分)

According to the bar chart, answer questions 16-20. (10 marks, 2 marks each correct answers)

以下是五年級學生最喜愛的運動統計：

Below is the statistics of the favourite sports of P.5 students:



16. 最多女生喜愛的運動是\_\_\_\_\_排球\_\_\_\_\_，共有\_\_\_\_\_50\_\_\_\_\_人。

The most popular sport for girls is \_\_\_\_\_volleyball\_\_\_\_\_ with \_\_\_\_\_50\_\_\_\_\_ girls.

17. 最少男生喜愛的運動是\_\_\_\_\_網球\_\_\_\_\_，共有\_\_\_\_\_5\_\_\_\_\_人。

The least popular sport for boys is \_\_\_\_\_tennis\_\_\_\_\_ with \_\_\_\_\_5\_\_\_\_\_ boys.

18. 喜愛\_\_\_\_\_乒乓球\_\_\_\_\_的女生和男生人數相同，各有\_\_\_\_\_15\_\_\_\_\_人。

The numbers of girls and boys favoring \_\_\_\_\_table tennis\_\_\_\_\_ are the same, with \_\_\_\_\_15\_\_\_\_\_ each.

19. 喜歡網球的女生有\_\_\_\_\_10\_\_\_\_\_人，比喜歡網球的男生多 \_\_\_\_\_5\_\_\_\_\_人。

There are \_\_\_\_\_10\_\_\_\_\_ girls favouring table tennis, which is more than that of boys by \_\_\_\_\_5\_\_\_\_\_.

20. 喜歡游泳的男生有\_\_\_\_\_20\_\_\_\_\_人，比喜歡游泳的女生多 \_\_\_\_\_15\_\_\_\_\_人。

There are \_\_\_\_\_20\_\_\_\_\_ boys favouring basketball, which is more than that of girls by \_\_\_\_\_15\_\_\_\_\_.

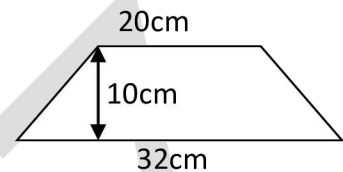
(四) 選擇題：把正確答案的○填滿黑色。(每題 3 分，共 15 分)

Multiple choice: blacken the circle next to the correct answer. (15 marks, 3 marks each)

21. 512 383 905 準確至萬位的近似值是？  
Correct 512 383 905 to the nearest ten thousand is : .

○ A. 512 400 000                      ○ B. 512 390 000  
● C. 五億一千二百三十八萬                      ○ D. 五億一千二百三十八萬四千

22. 右圖的面積是 \_\_\_\_\_  $\text{cm}^2$  。  
The area of the right figure is \_\_\_\_\_  $\text{cm}^2$  .



● A. 180                      ○ B. 260                      ○ C. 540                      ○ D. 424

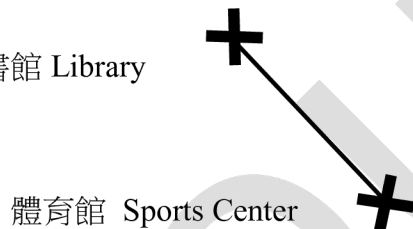
23.  $36a = 432$  ,  $a = ?$

○ A. 13                      ○ B. 18                      ○ C. 9                      ● D. 12

體育館在圖書館的 \_\_\_\_\_ 方。

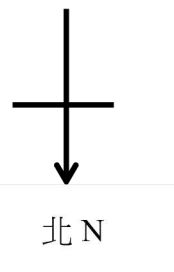
The sports center is on the \_\_\_\_\_ of the library.

24. 圖書館 Library

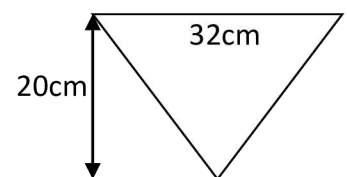


體育館 Sports Center

○ A. 東南 Southeast                      ○ B. 東北 Northeast                      ● C. 西北 Northwest                      ○ D. 南 South



25. 右圖的面積是 \_\_\_\_\_  $\text{cm}^2$  。  
The area of the right figure is \_\_\_\_\_  $\text{cm}^2$  .



○ A. 640                      ○ B. 272                      ○ C. 308                      ● D. 320

(五) 不列式應用題(每題 3 分，共 21 分)

Short questions (21 marks, 3 marks each)

用 5, 4, 7, 0, 0, 1, 2, 3, 3, 3 組成最大的七位數。

26. Using 5, 4, 7, 0, 0, 1, 2, 3, 3, 3 to form the largest possible 7-digit number. 26. 7543332

取 429 475 577 至萬位近似值。

27. Correct 429 475 577 to the nearest ten thousand. 27. 429480000

用 9, 8, 1, 3, 5, 0, 7, 6 組成最小的可被 5 整除的七位單數。

28. Using 9, 8, 1, 3, 5, 0, 7, 6 to form the smallest 7-digit odd number that is divisible by 5 to give an integer. 28. 1036785

C 公司上半年虧損 44 740 000 元，下半年盈利 31 960 000 元，全年虧損多少十萬元？

29. Company C has recorded a loss of \$44 740 000 in the first half of the year, and has made a profit of \$31 960 00 in the second half of the year. What is the annual loss in terms of hundred thousand ? 29. 128 (十萬元 / hundred thousand)

H 城市的人口二十年前有 3 530 000 人，十年前比二十年前增長了 840 000 人，近十年增長了 2 232 000 人，現在 H 城的總人口有多少十萬人？

30. City H had a population of 3 530 000 twenty years ago. The population in ten years ago had grown 840 000 more than twenty years ago, and in the recent ten years the population has grown 2 232 000. What is the total population of city H now in terms of hundred thousand ? 30. 66 (十萬元 / hundred thousand)

一樽濃縮橙汁的容量是 3.6 升。一杯橙汁可由 60 毫升的濃縮橙汁加水混合製成。一樽濃縮橙汁可以製成多少杯提橙汁？

31. The volume of a bottle of concentrated orange juice is 3.6L. A cup of orange juice can be made by mixing 60ml of concentrated orange juice and water. How many cups of orange juice can be made with a bottle of concentrated orange juice? 31. 60 杯 cups

陳先生買了 100 股股票 C，買入時每股價值 29.5 元。其後陳先生於每股價值 25.3 元時出售了所持的 100 股股票 C。陳先生虧損了多少元？

32. Mr. Chan bought 100 shares of stock C and the price of each share was \$29.5. Then he sold all of his shares of stock C when the price of each share was \$25.3. How much did he loss? 32. 420 元

(六) 列式應用題，必須列式作答，並列出題解及於答案附上單位。(每題 4 分，共 20 分)

Answer the following questions with steps and give answers with units. (20 marks, 4 marks each)

33. 有 5 件蛋糕, 小明吃掉了  $\frac{3}{8}$  件, 莉莉吃掉了  $\frac{1}{2}$  件, 還剩下多少?

There are 5 pieces of cakes. Simon has eaten  $\frac{3}{8}$  pieces and Lily has eaten  $\frac{1}{2}$  pieces. How many cakes are left?

還剩下蛋糕:

There are:

$$5 - \frac{3}{8} - \frac{1}{2}$$

$$= 4\frac{1}{8} \text{ (件) (蛋糕 cakes)}$$

34. 一批貨物之中電視佔貨物的重量的  $\frac{1}{3}$ , 而洗衣機的重量是電視的  $\frac{3}{10}$ 。如洗衣機共重  $40\frac{3}{5}$  公斤, 該批貨物共重多少公斤?

In a lot of goods,  $\frac{1}{3}$  of the weight is made up by television, where the weight of washing machine is  $\frac{3}{10}$  of the weight of television. If washing machine weighs  $40\frac{3}{5}$  kg, how heavy is the lot of goods in kilograms?

該批貨物共重:

The lot of goods is:

$$40\frac{3}{5} \div \frac{3}{10} \div \frac{1}{3}$$

$$= 406 \text{ (公斤 kg)}$$

35. 長方形公園的周界是 885 米, 其中一邊長度是  $62\frac{3}{4}$  米, 其鄰邊有多長?

The perimeter of a rectangular park is 885m, and one side of it is  $62\frac{3}{4}$  m in length.

How long is the adjacent side?

周界是:



The adjacent side is:

$$885 \div 2 - 62\frac{3}{4}$$

$$= 379\frac{3}{4} \text{ (米 m)}$$

36. 小明重  $48\frac{53}{100}$  公斤, 瑪莉比小明重  $2\frac{3}{10}$  公斤, 比利比瑪莉輕  $10\frac{1}{20}$  公斤, 比利重多少公斤?

Simon weighs  $48\frac{53}{100}$  kg, Mary is  $2\frac{3}{10}$  kg heavier than Simon, and Billy is  $10\frac{1}{20}$  kg lighter than Mary. How heavy is Billy in kilogram?

比利重：

Billy's weight is:

$$48\frac{53}{100} + 2\frac{3}{10} - 10\frac{1}{20}$$

$$= 40\frac{39}{50} \text{ (公斤 kg)}$$

37. E 城與 F 城距離  $3\frac{21}{50}$  公里, F 城與 G 城的距離 E 城與 F 城的距離的  $\frac{5}{9}$  倍。E 城與 F 城的距離與 F 城與 G 城的距離相差多少?

City E and city F are  $3\frac{21}{50}$  km apart. The distance between city F and city G is  $\frac{5}{9}$  times of

the distance between city E and city F. What is the difference of the distance between city E



and city F and the distance between city F and city G ?

F城與G城的距離是：

The distance between city F and G is:

$$3\frac{21}{50} \times \frac{5}{9}$$
$$= 1\frac{9}{10}(\text{公里km})$$

E城與F城的距離與F城與G城的距離相差：

The distance between city E and F and city F and G is :

$$3\frac{21}{50} - 1\frac{9}{10}$$
$$= 1\frac{13}{25}(\text{公里km})$$

或OR

E城與F城的距離與F城與G城的距離相差：

The distance between city E and F and city F and G is :

$$3\frac{21}{50} \times (1 - \frac{5}{9})$$
$$= 3\frac{21}{50} \times \frac{4}{9}$$
$$= 1\frac{13}{25}(\text{公里km})$$

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